



VCO R2328SMUA10_135

rev_0

initial rev

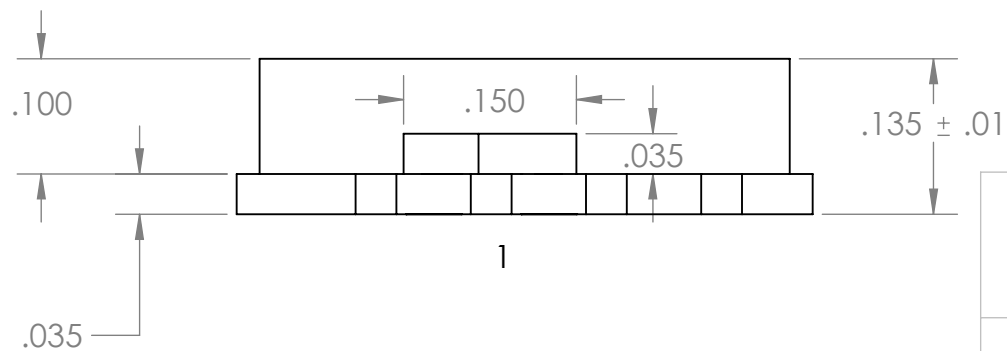
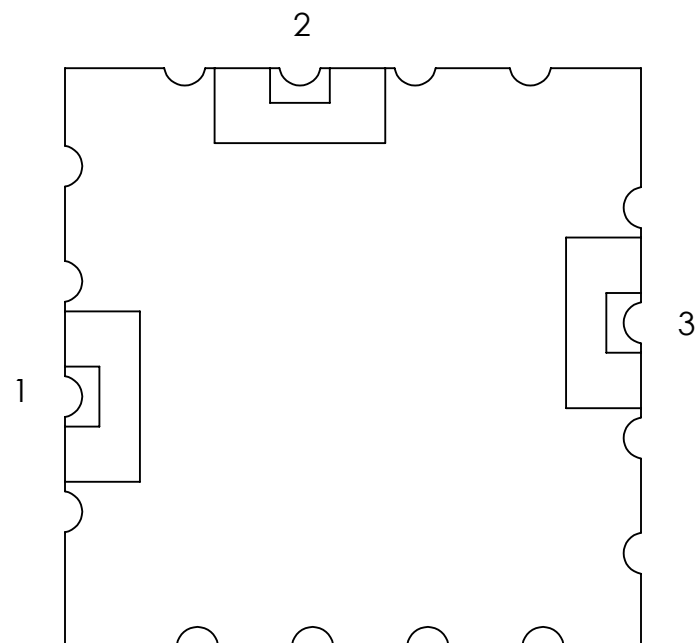
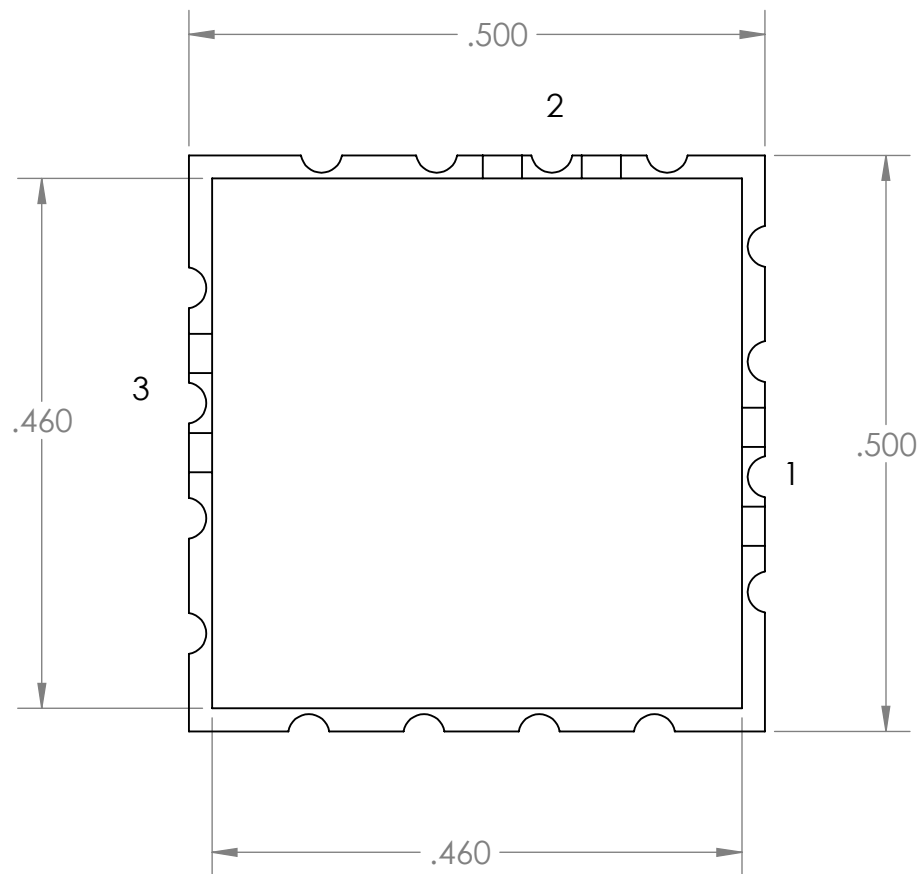
	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
FrequencyRange	2300		2800	MHz	1	..	..
TuningVoltage	1.5		12	V	1	..	..
ModulationSensitivity		85		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	7	10	12	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-73	-68	dBc/Hz	1	..	..
10 KHz Offset		-98	-93	dBc/Hz	1	..	..
100 KHz Offset		-118	-113	dBc/Hz	1	..	..
1 MHz Offset		-138	-133	dBc/Hz	1	..	..
10 MHz Offset		-158	-153	dBc/Hz	1	..	..
Pushing		0.5	1	MHz/V	3	..	..
Pulling (12dB RL, any phase)		10	15	MHz _{p-p}	3	..	..
ModulationBandwidth		15		MHz	4	..	..
Tuning Port Capacitance		100		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		10		V		..	..
Icc		28		mA	1	..	..
OperatingTemperature	-40		+85	C	3	..	..
Package		SMUA				..	..
LxW		0.500		inch sq.	5	..	..
Height		0.135		inch	5	..	..

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection

sig date

sig date



CONTACT ASSIGNMENTS

1. RF OUT

2. SUPPLY INPUT

3. TUNING VOLTAGE INPUT

ALL OTHER CONTACTS ARE GROUND



TITLE:

R2328SMUA10_135

DRAWN NAME
Stefan Babulal

DATE
2/17/2017

SIZE
A

DWG. NO.

1

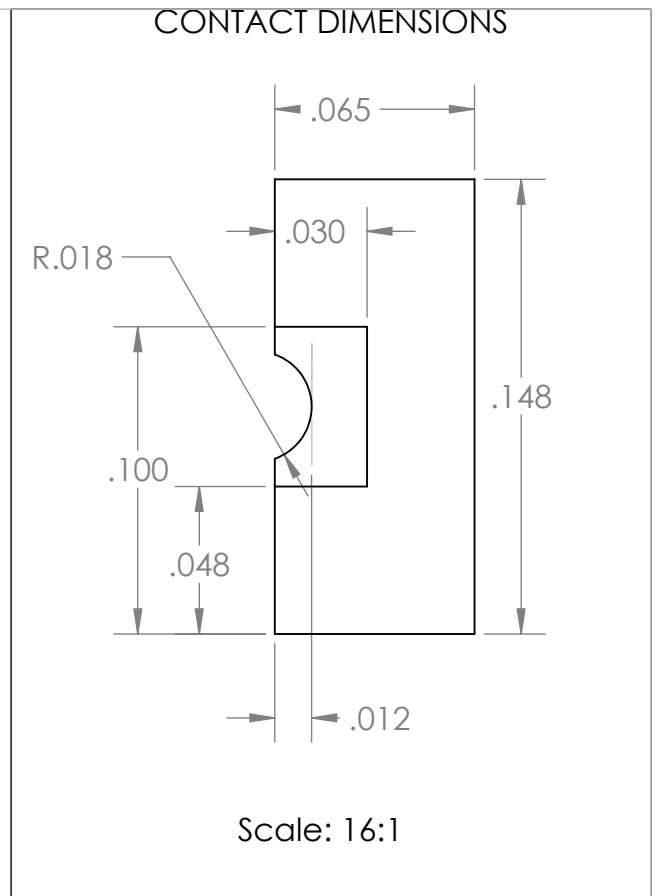
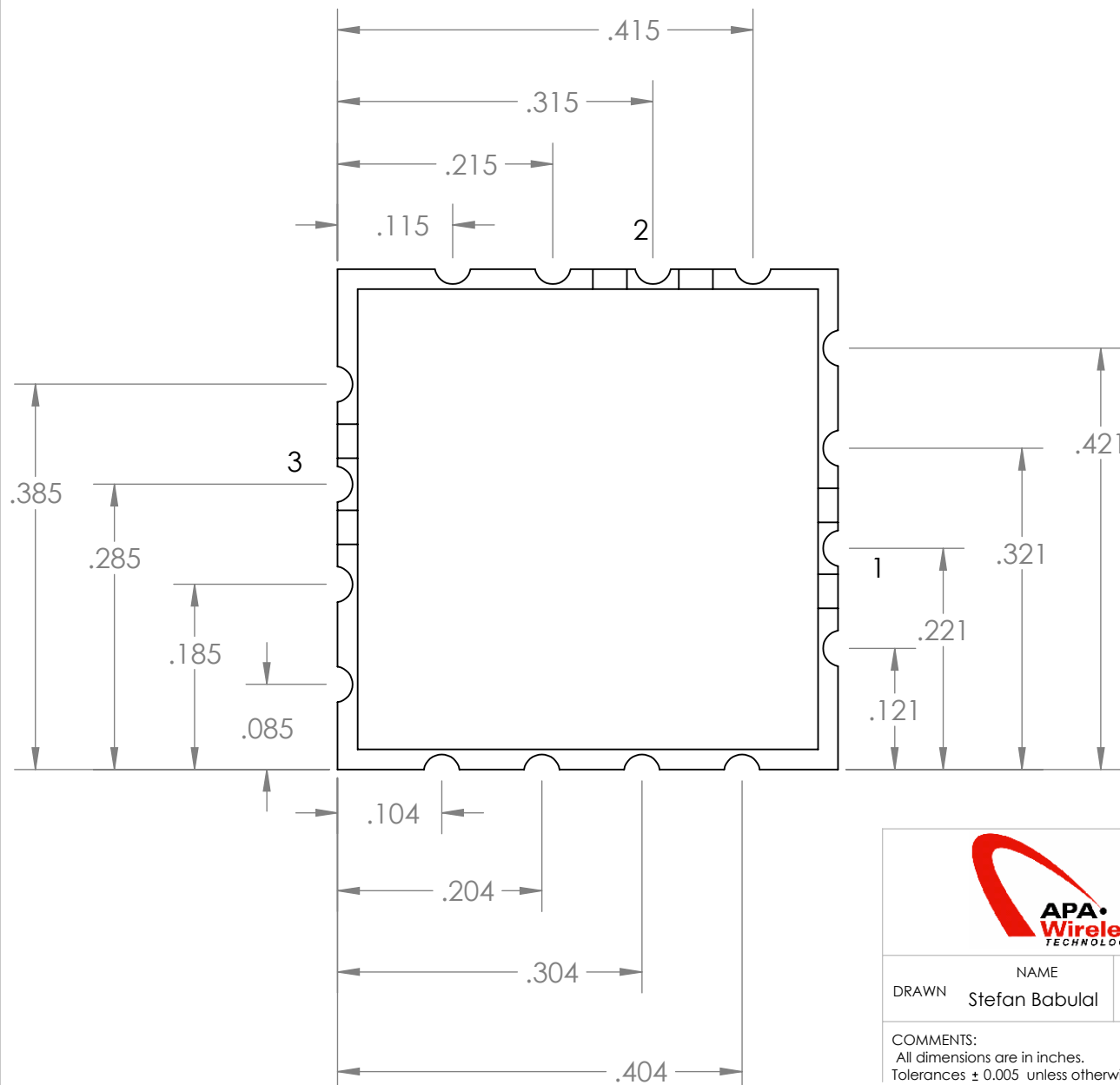
REV

COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

SCALE: 6:1

unit: inch

SHEET 1 OF 2



DRAWN	NAME Stefan Babulal	DATE 2/20/2017
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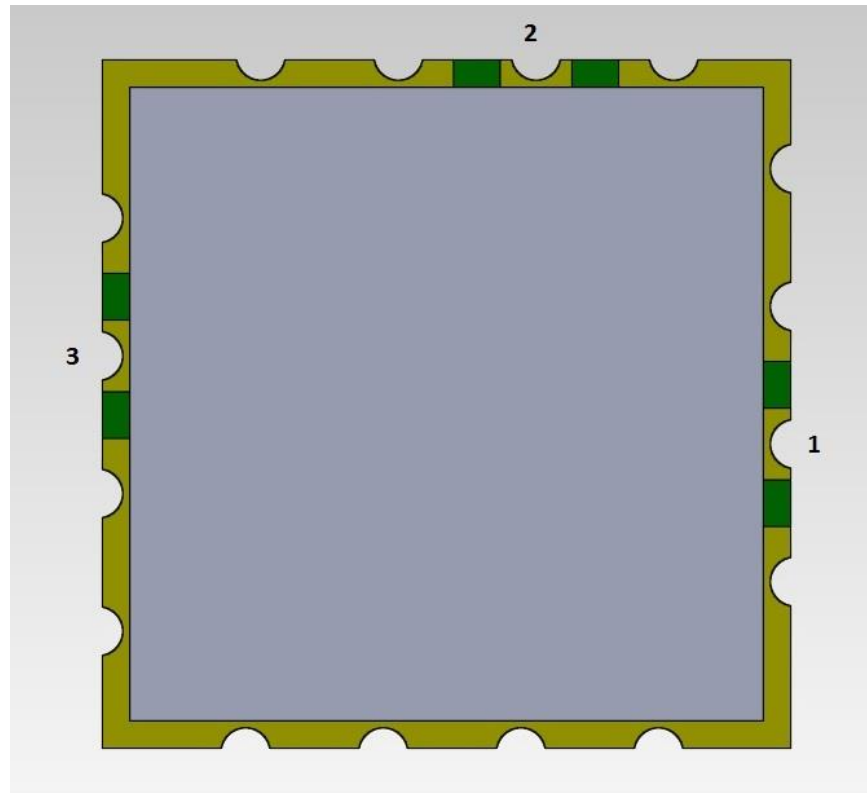
COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

TITLE:

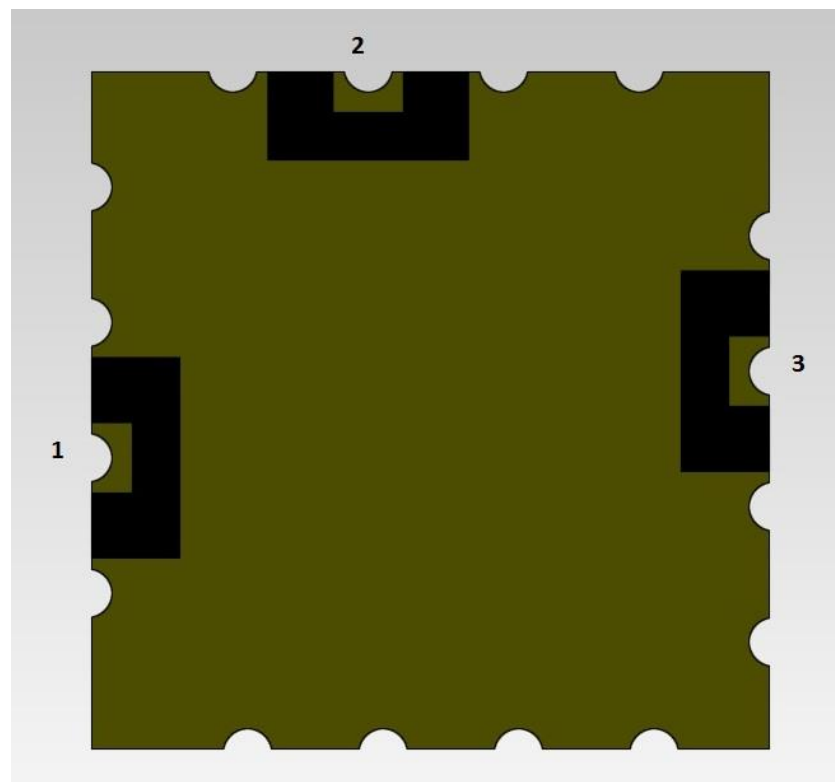
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SIZE A	DWG. NO. 1	REV
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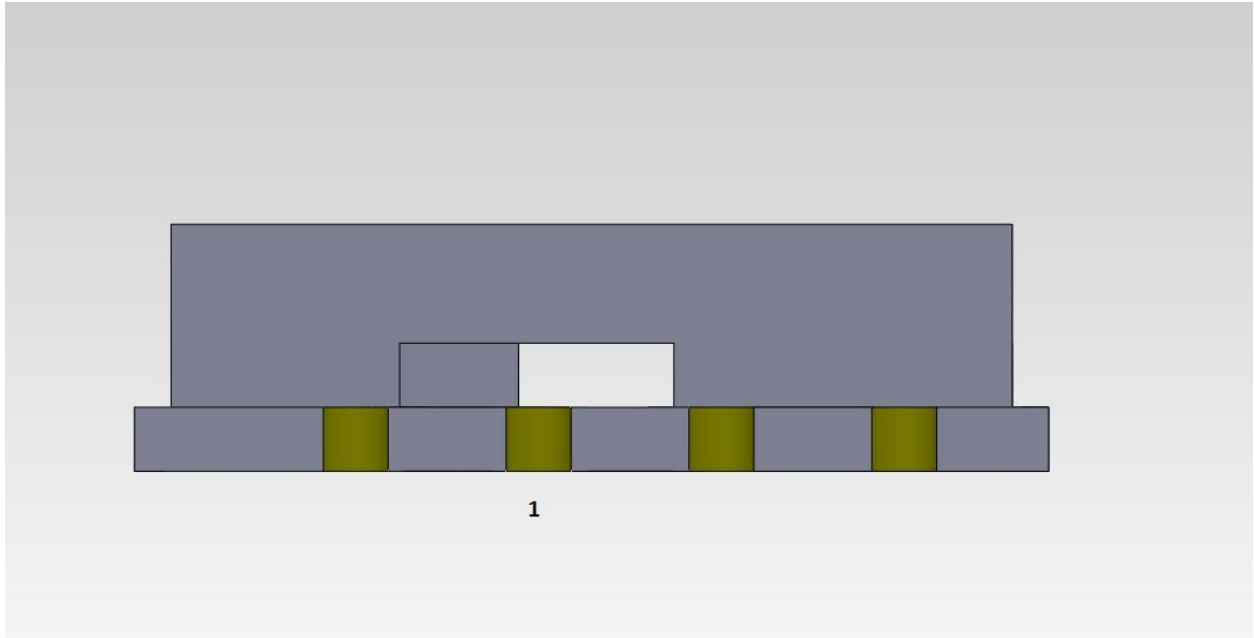
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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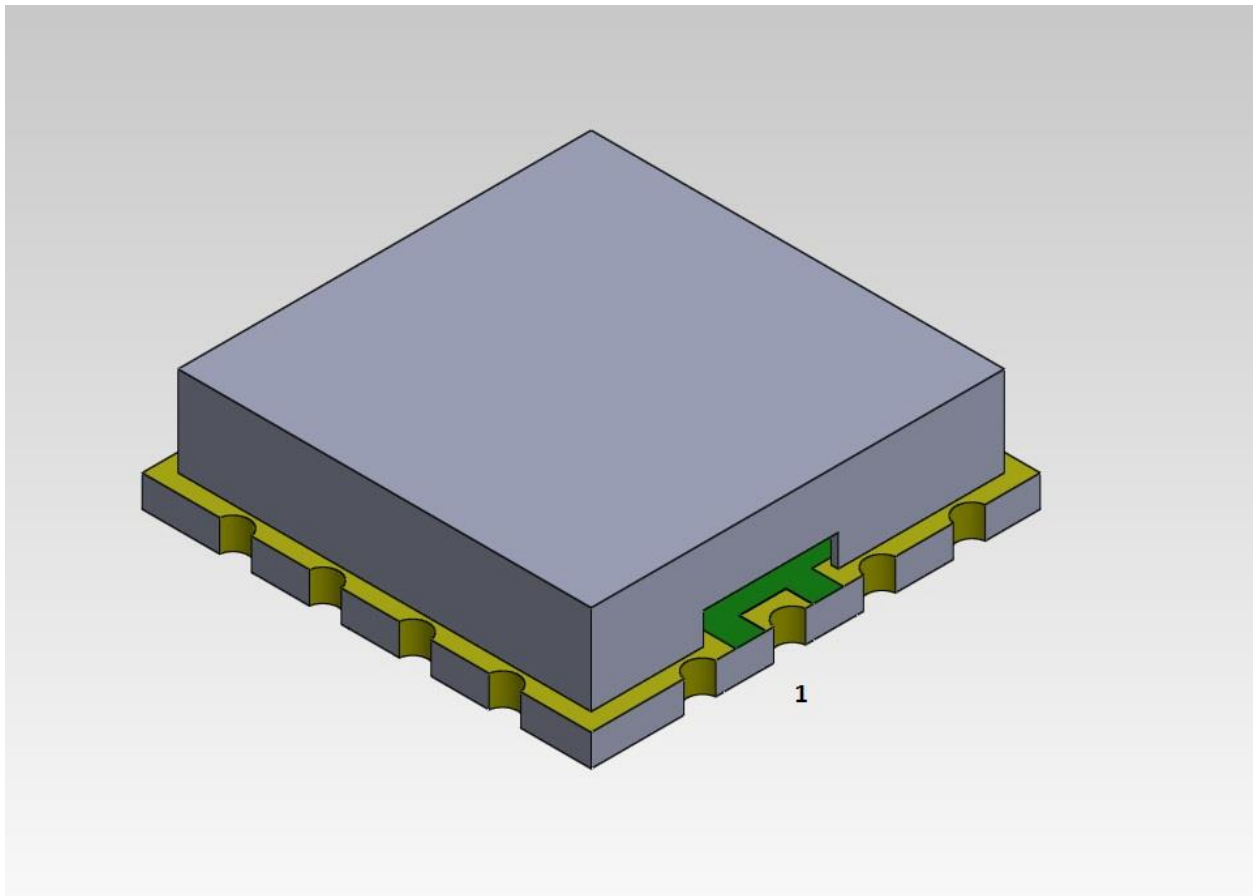
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW